

SAFETY REGULATIONS

ALL EXCAVATION AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MARYLAND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (MOSHA) STANDARDS AS SET FORTH IN THE LATEST VERSION OF THE CODE OF MARYLAND REGULATIONS

THERE WILL BE NO CHANGES IN SPECIFICATION, DIMENSIONS, OR MATERIALS UNLESS APPROVED BY THE ENGINEER RESPONSIBLE FOR THIS DRAWING.

THE DRAWINGS ARE PREPARED COOPERATIVELY BY THE NATURAL RESOURCE CONSERVATION SERVICE FOR THE NAMED LANDOWNER. CONSTRUCTION FOUND NOT IN ACCORDANCE WITH THESE DRAWINGS AND SPECIFICATIONS SHALL VIOLATE THE COOPERATIVE AGREEMENT AND ALL DRAWINGS, SPECIFICATIONS, AND QUANTITIES ESTIMATE SHALL IMMEDIATELY BE RETURNED TO THE LOCAL NRCS OFFICE.

CONSTRUCTION NOTIFICATION

The Contractor/Owner is to notify the _____ DISTRICT SOIL CONSERVATION DISTRICT at least 72 hours prior to construction to facilitate any scheduling, layout, or preliminary mobilization necessary to ensure proper construction inspection to enable appropriate certification of the project.

It is the Landowner's responsibility to obtain all County, State, and Federal permits that may be needed, and to maintain this structure and related regulations.

GENERAL NOTES:

- PLEASE CONTACT THE DISTRICT SOIL CONSERVATION DISTRICT AT LEAST 3 DAYS PRIOR TO CONSTRUCTION TO ARRANGE A PRE-CONSTRUCTION MEETING @ PHONE #
- A CONSERVATION TECHNICIAN SHALL VERIFY CUT/GRADE STAKES AT THE CONTRACTORS REQUEST

CRITICAL INSPECTION ITEMS
(Roofed Waste Poultry Animal Mortality Facility)

1.

The landowner will arrange for a pre-construction meeting between the contractor, NRCS and landowner to review the plans, standards and specifications prior to the start of construction.
2.

There will be no changes in specifications, dimensions, or materials unless approved by the engineer responsible for this drawing.
3.

The drawings are prepared cooperatively by the Natural Resources Conservation Service for named owner/operator. Construction found not in accordance with these drawings and specifications shall violate the cooperative agreement and all drawings, specifications, and Quantities Estimate shall immediately be returned to the local NRCS office.
4.

The following is a list of items that must be inspected by the Technician-in-Charge. If oost share is involved, payment may be forfeited if the Technician-in-Charge does not inspect all of the below.
- Preconstruction Meeting

Date: _____

Initials: _____

•

Verify layouts:

Date: _____

Initials: _____

•

Verify all subgrades:

Date: _____

Initials: _____

•

Verify all subgrade materials CR-6 etc:

Date: _____

Initials: _____

•

Verify reinforcing steel grade, size and placement:

Footings:

Date: _____

Initials: _____

Walls and/or curbs:

Date: _____

Initials: _____

Floor:

Date: _____

Initials: _____

•

Inspect all concrete in accordance with specifications:

Footings:

Date: _____

Initials: _____

Walls and/or curbs:

Date: _____

Initials: _____

Full dimension wall ties:

Date: _____

Initials: _____

Floor:

Date: _____

Initials: _____

•

Proper curing of concrete:

Date: _____

Initials: _____

•

Patching wall ties, holes and honeycombing:

Date: _____

Initials: _____

•

Roof inspection in accordance with plans:

Posts size, material and installation:

Date: _____

Initials: _____

Preservative treatment or use code:

Date: _____

Initials: _____

Anchors or embedment installation:

Date: _____

Initials: _____

Header size, material and installation:

Date: _____

Initials: _____

Hardware size, spacing, and type:

Date: _____

Initials: _____

Knee brace (post to truss) size and material:

Date: _____

Initials: _____

Hardware size, spacing, and type:

Date: _____

Initials: _____

Y brace (post to header) size and material:

Date: _____

Initials: _____

Hardware size, spacing, and type:

Date: _____

Initials: _____

Hurricane straps:

Date: _____

Initials: _____

Received/reviewed truss design sheet:

Date: _____

Initials: _____

Purlins material and installation:

Date: _____

Initials: _____

Hardware size, spacing, and type:

Date: _____

Initials: _____

Roofing, material and installation:

Date: _____

Initials: _____

Hardware size, spacing, and type:

Date: _____

Initials: _____

•

Backfill placement and compaction

Date: _____

Initials: _____

•

All disturbed areas seeded and mulched:

Date: _____

Initials: _____

•

Other items shown on the plans:

Date: _____

Initials: _____

DESIGN NOTE:

A site-specific design, in addition to the pre-qualified drawing is required. The site-specific design shall include a location map, plan view, dimensions, soil conditions, high water table, drainage components, and construction specifications needed to complete the project.

ROOFING CONSTRUCTION NOTE:

Roofing material must be stored properly in accordance with the manufacturer's recommendations. Roofing material must be covered if it is stored outside to prevent premature deterioration.

Aluminum roofing may be used in lieu of steel. Roof shall be designed considering expansion and contraction and compatibility with other metals. The aluminum roofing shall have a minimum thickness of 0.018 inches and a maximum sheet length of 16 feet. Joints shall overlap a minimum from ridge to reidge and fastened with stainless steel screws. The fastener holes shall be drilled and slotted and neoprene washers used.

CONSTRUCTION NOTES

1.

Before construction begins contact the District Office for a preconstruction meeting. It is the landowner's responsibility to obtain all necessary permits and to maintain this structure in accordance to those regulations.
2.

All materials and construction shall be in accordance with applicable NRCS standards and construction specifications.
3.

All components of the completed system shall conform to the lines, grades, elevations, dimensions and materials shown on the plans.
4.

Any changes in the plans or specifications must be approved by the original plan approver prior to being made. Changes are to be reviewed by the landowner for concurrence.
5.

Prevent any sediment from leaving the construction site by installing a silt fence where appropriate.
6.

Salvage topsoil and fill material and stockpile to use for final grading of the site.
7.

Clear and grub all areas necessary for the construction of the structure.
8.

Construct pad for structure. Fill material under the structure shall be placed in maximum 9-inch lifts (before compaction). The lifts shall be compacted by traversing of the entire surface by not less than one track of the equipment or by a minimum of four complete passes with a sheepsfoot, vibratory, or rubber tire roller.
9.

Construct Composting Facility in accordance with the plan. The finished floor elevation shall be a min. 2' above seasonal high water table.
10.

Perform final grading of the site. Place fill material around structure in maximum 4-inch lifts (before compaction). Compaction shall be performed at the optimum moisture content with hand tampers or other manually directed compaction equipment. Backfill shall be kept approximately level around all parts of the structure.
11.

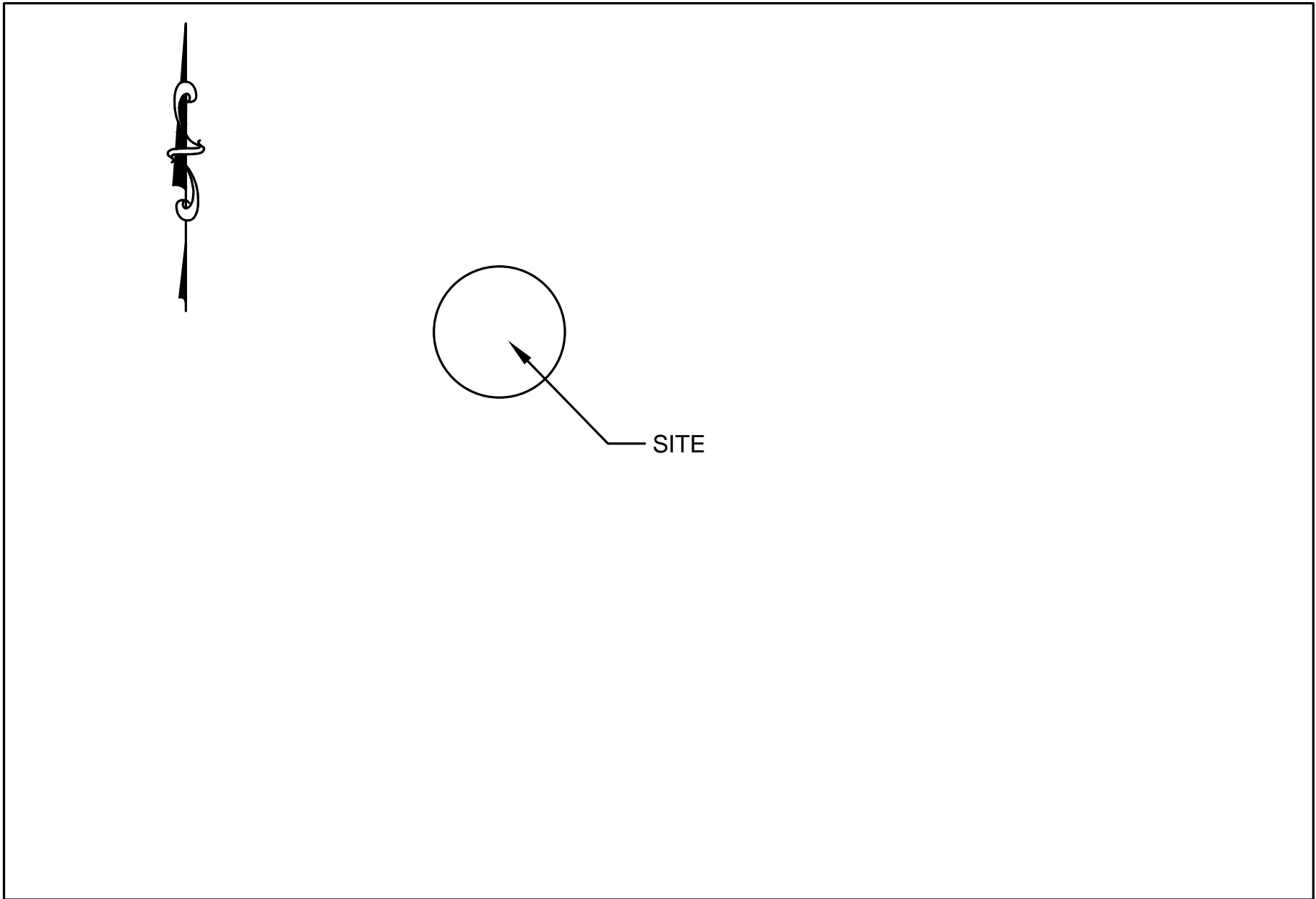
Topsoil all disturbed areas using on-site salvaged topsoil. Apply lime and fertilizer according to specifications. Seed and mulch disturbed areas as specified. All disturbed areas to be stabilized within 14 days of completion.

LANDOWNER

316 - ANIMAL MORTALITY FACILITY

561 - HEAVY USE AREA/558 - ROOF RUNOFF STRUCTURE

(DISTRICT SOIL CONSERVATION DISTRICT)



VICINITY MAP
N.T.S.



Know what's below.
Call before you dig.

The Soil Conservation District makes no representation as to the existence or Non-existence of any utilities at the construction site. Shown on these construction drawings are those utilities which have been identified. It is the responsibility of the landowners or operators and contractors to assure themselves that no hazard exists or damage will occur to utilities

AS-BUILT STATEMENT

PROJECT MEETS NRCS STANDARDS AND SPECIFICATIONS

INSPECTED BY	SIGNATURE	DATE
CONSTRUCTION APPROVAL	SIGNATURE	DATE
VERIFIED DISTRICT CONSERVATIONIST	SIGNATURE	DATE

OWNER/CONTRACTOR STATEMENT

I CERTIFY THAT THIS DESIGN HAS BEEN EXPLAINED TO ME BY A REPRESENTATIVE OF THE _____ DISTRICT SOIL CONSERVATION DISTRICT, AND I UNDERSTAND THE CONTENTS. ALL CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND SPECIFICATIONS. I FURTHER UNDERSTAND THAT ALL CONSTRUCTION WILL BE UNDER THE INSPECTION OF THIS OFFICE.

OWNER'S SIGNATURE

DATE

CONTRACTOR'S SIGNATURE

DATE

CONCRETE CONSTRUCTION SPECIFICATIONS
FLAT WORK ONLY
Revised 4/14

1.

All materials and construction shall be in accordance with applicable NRCS Practice Standards and ACI-318.
2.

Any changes in the plans or specifications must be approved by the design approver prior to being made. Changes are to be reviewed by the landowner for concurrence.
3.

Concrete shall have Type IA or IIA cement, 28-day compressive strength of 4,000 psi, 5% air entrainment and a slump of 3 to 5 inches. Air entrainment admixtures shall conform to ASTM C260.
4.

Reinforcing steel shall conform to ASTM A615, Grade 60 steel. All reinforcing material shall be free of dirt, loose rust, scale, oil, paint or other coatings. The steel shall be accurately placed into position, as shown on the plans, and securely restrained and blocked into position prior to placement of concrete. Insertion of steel into fresh concrete is not permitted. Reinforcement steel shall have a minimum of 2 inches of concrete cover against all forms and 3 inches against soil, unless otherwise shown on the plans. All other reinforcement steel splices shall overlap a minimum of 18 inches. Welded wire mesh shall conform to ASTM A1064 and overlap a minimum of 6 inches. The welding of reinforcing steel is not permitted.
5.

Waterstop will be used as shown on the plans and at all cold and construction joints. The type of waterstop will be approved by the field technician prior to use.
6.

Plasticizing or plasticizing and retarding admixtures may be used and shall conform to ASTM C1017 or ASTM C494 Types F or G.
7.

Concrete shall be delivered to the site and discharged completely into the forms within 90 minutes after the truck leaves the plant. This time shall be reduced to 45 minutes when the atmospheric temperature is over 90° F. The concrete shall be maintained at a temperature below 90° F during mixing, conveying and placement. Set retarding admixtures may be used to increase mixing time. Water reducing and/or retarding admixtures shall conform to ASTM C494 Types A, B, D, F or G.
8.

Concrete shall not be placed when the daily minimum atmospheric temperature is less than 40° F unless facilities are provided to prevent the concrete from freezing. The concrete shall be protected from freezing for a minimum of 7 days or the concrete shall be kept at a temperature of 55° F for a minimum of 3 days. Accelerating or water-reducing and accelerating admixtures shall be noncorrosive and conform to the requirements of ASTM C494, Types C and E. Cold weather concreting procedures shall conform to ACI-306.
9.

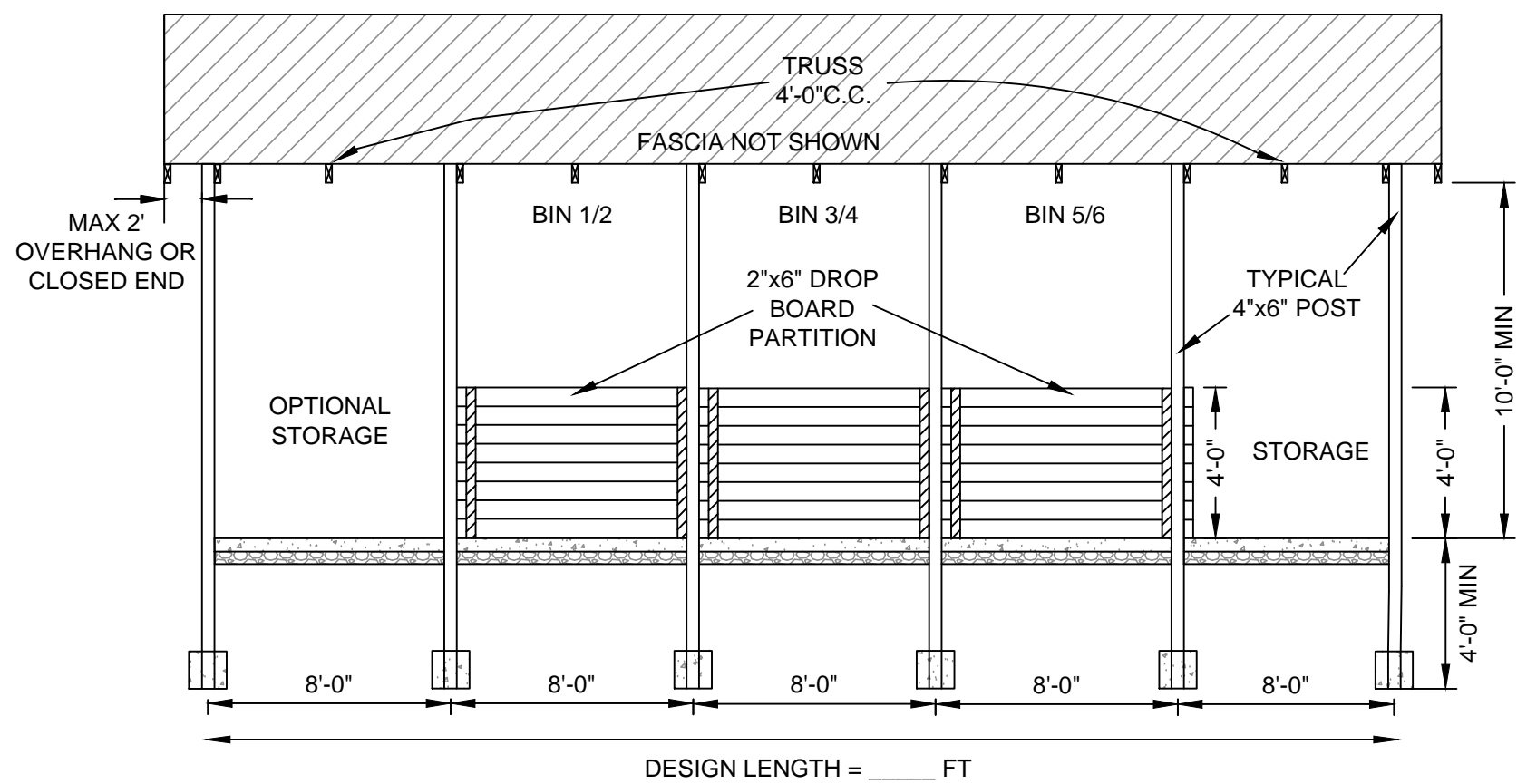
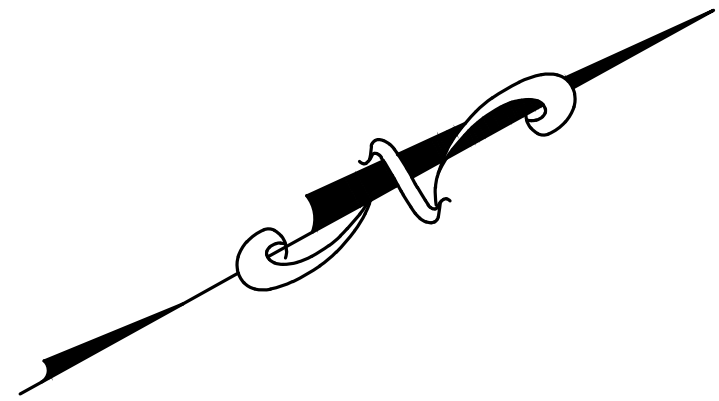
Concrete shall be kept continuously moist for the curing period after the placement of the concrete. Moisture may be applied by spraying or sprinkling as necessary to prevent the concrete from drying. Concrete shall not be exposed to freezing during the curing period. Curing compounds may be used in lieu of the application of moisture. Curing compounds shall conform to ASTM C309, type 2.
10.

Concrete surfaces shall be screeded, floated, troweled and broom finished unless otherwise approved.
11.

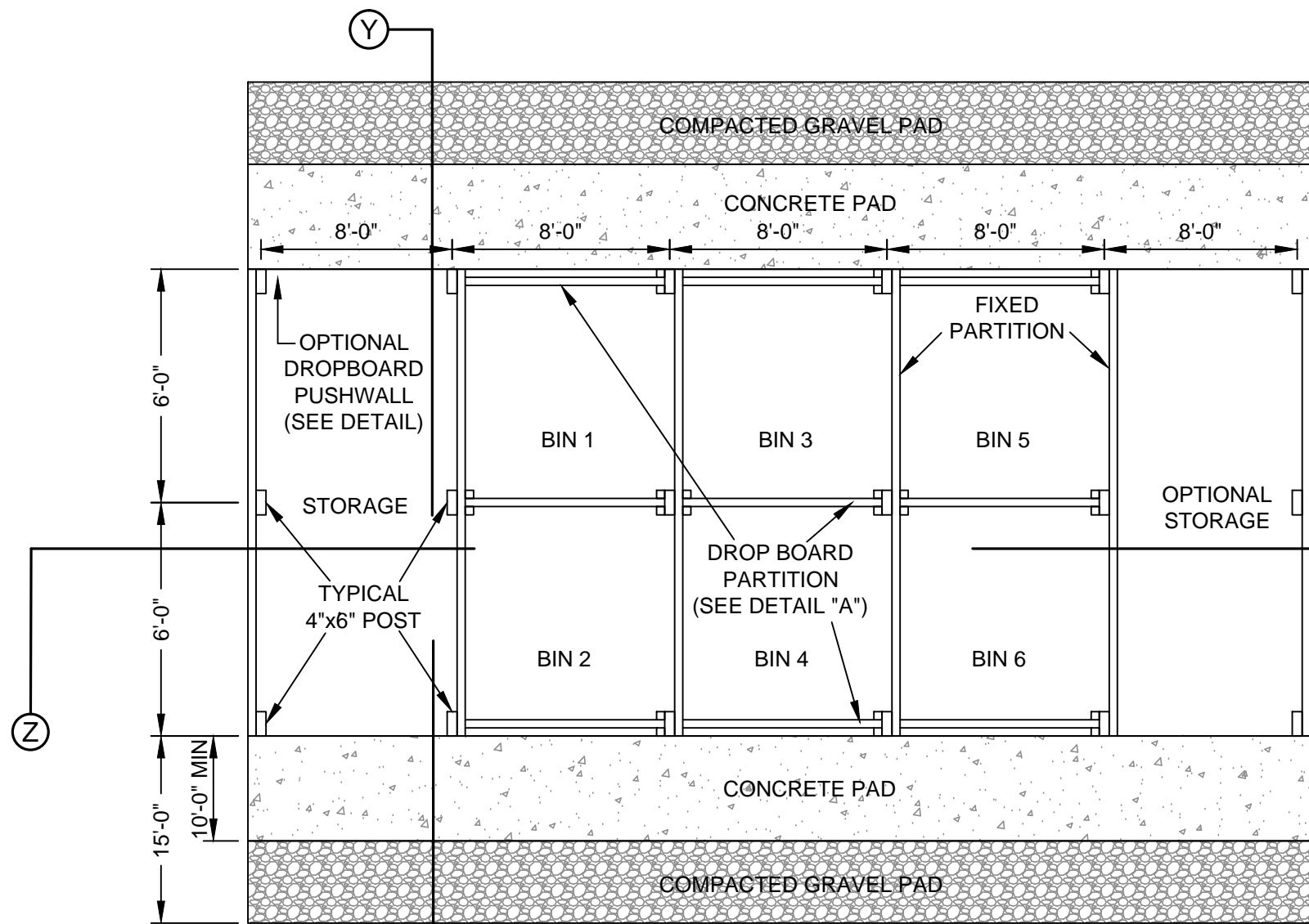
Defective concrete, honeycombed areas, voids left by the removal of tie rods, ridges on all concrete surfaces permanently exposed to view or exposed to water, shall be repaired immediately after the removal of forms. All voids shall be reamed and completely filled with quickset, non-shrink hydraulic cement.

MATERIALS LIST

MM/YY	Designed	Drawn	Checked	Approved	Date	Class		
							Title	Job
LANDOWNER				316 ANIMAL MORTALITY FACILITY (STAND ALONE BIN COMPOSTER) TRACT				
City, Maryland				Maryland Department of Agriculture				
				District Soil Conservation District				
United States Department of Agriculture				Natural Resources Conservation Service				
REVISIONS				Approved				
Description								
Date								
File No. *.DWG								
Sheet 1 of 5								



Z-Z SECTION
NOT TO SCALE



PLAN VIEW
NOT TO SCALE

TIMBER CONSTRUCTION NOTES
1/2012

1. All lumber below the fascia board level shall be preservative pressure treated Southern Yellow Pine, No.2 KD, 19% m.c. or better. All other lumber may be either Southern Yellow Pine or Spruce-Pine-Fir No. 2 or better unless specified otherwise. Protection such as clear preservative, paint, or pressure treatment shall be required for the plywood. Timber shall be pressure treated in accordance with the chart below.

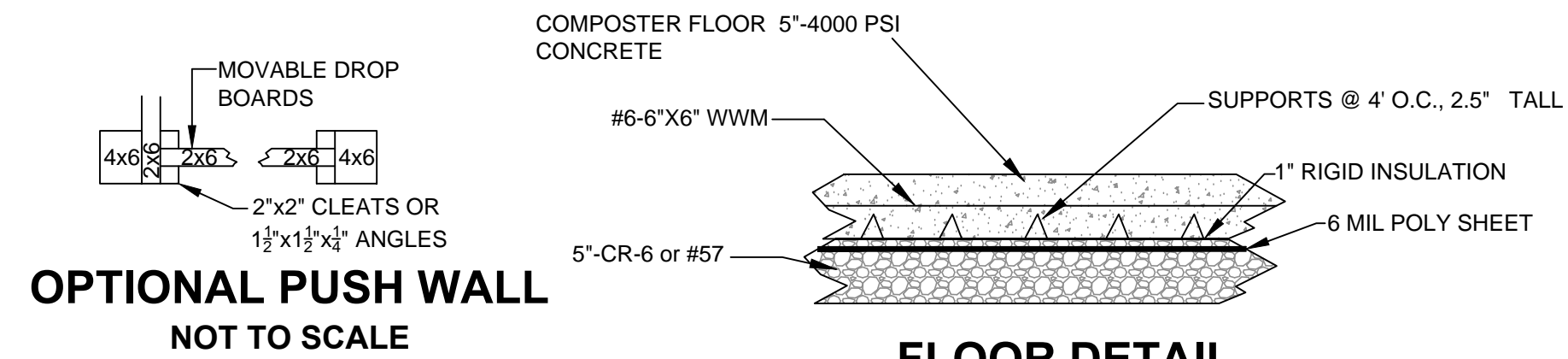
Use Codes for Treated Building Materials	
Use Code for Ground or Manure Contact Lumber	UC4B
Use Code for all other Treated Lumber	UC4A

2. All metal hardware and nails shall be stainless steel or hot-dip galvanized (HDG). Stainless steel shall be grade types 304 or 316. Hot dipped galvanized fasteners shall conform to ASTM A 153 and hot-dip galvanized connectors shall conform to ASTM Standard A 653 (Class G-185).

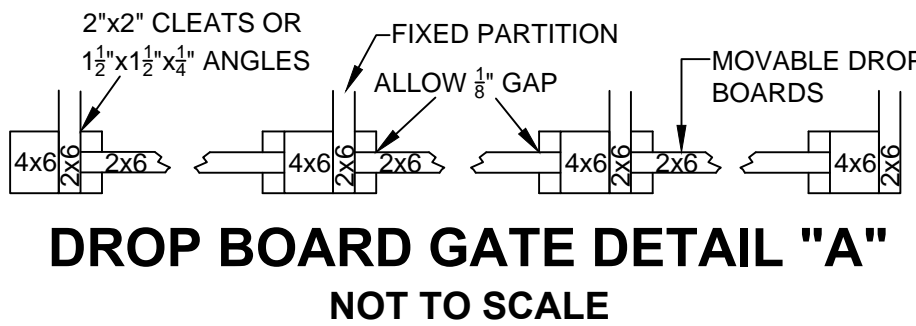
All fasteners, connectors, and any other metal contacting ACZA, ACQ or CA treated wood shall be stainless steel.

There may be additional products (other than stainless steel and hot-dip galvanized) which are suitable for use in treated wood except for the types listed in the note above. These screws and connectors have proprietary anti-corrosion technologies and are acceptable for treated wood exposed to moisture when used according to the hardware manufacturer's recommendations and **must be clearly marked "for use with" the type of treated wood being used.**

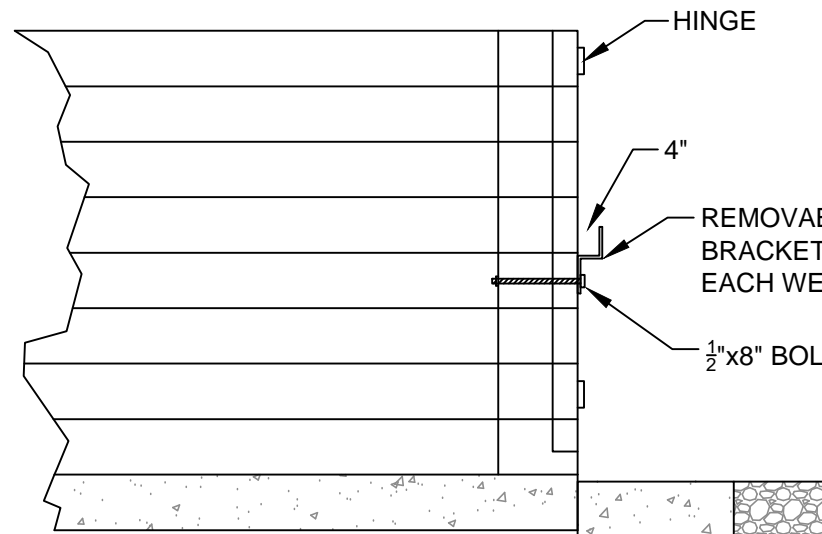
3. All structural nail connections must be nailed with twisted or ring shank nails.
4. Power driven nails (PDN) shall be 0.131 Diameter or larger, deformed shank, and helical (spiral) or annular (ring) type. The number and length of 0.131 diameter power driven nails is specified in parenthesis next to each connection. Pressure shall be applied to wood members to insure tight joints when using power driven nails. The head of the nail may not be countersunk more than 1/16" into the wood.



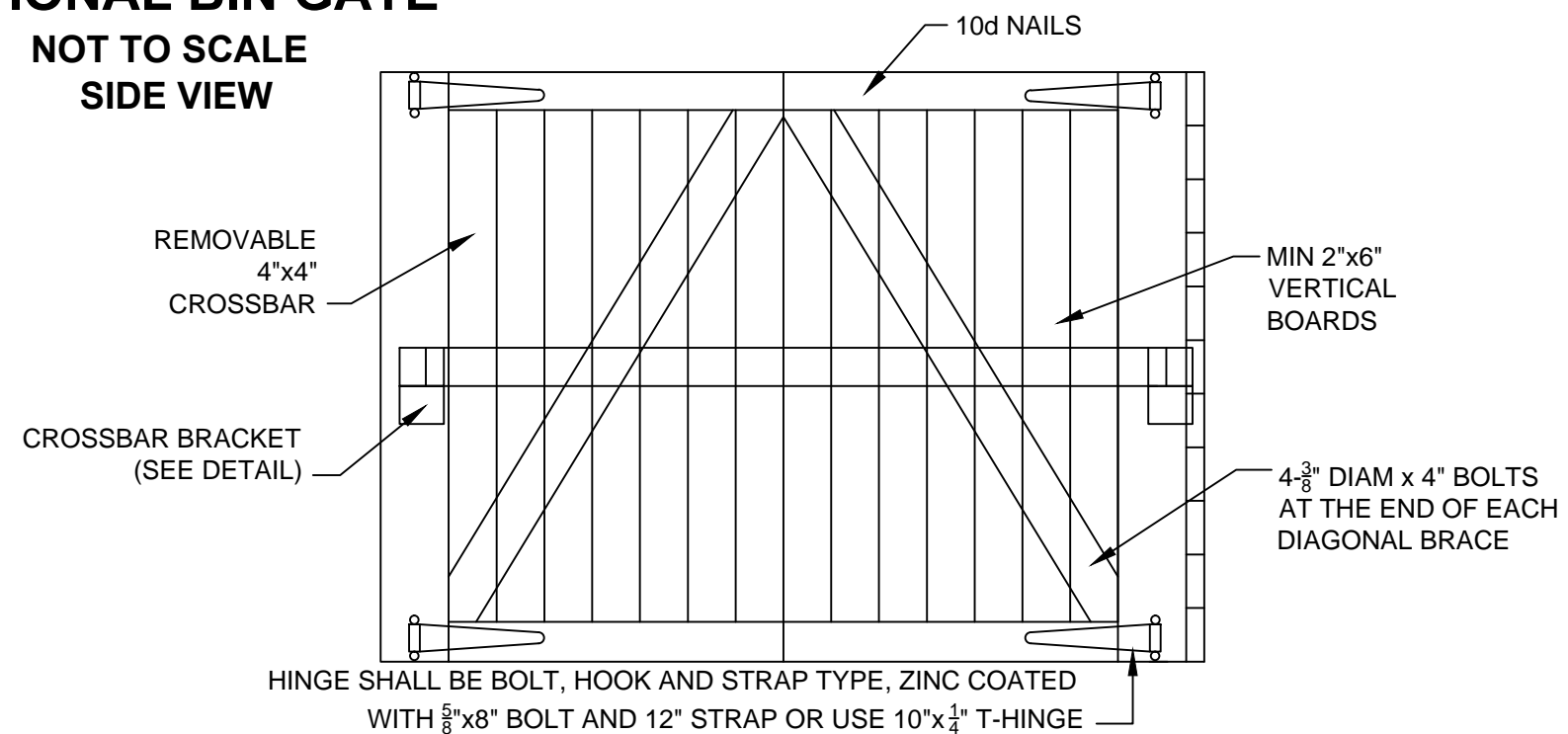
OPTIONAL PUSH WALL
NOT TO SCALE



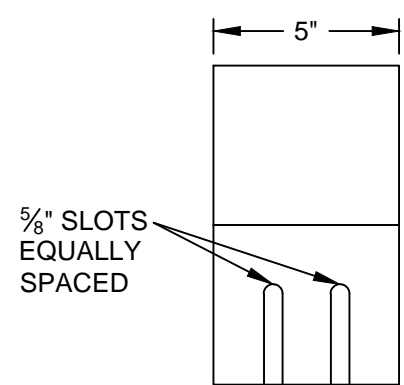
DROP BOARD GATE DETAIL "A"
NOT TO SCALE



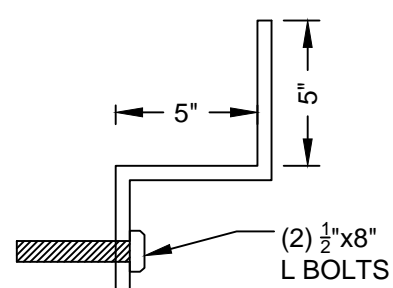
OPTIONAL BIN GATE
NOT TO SCALE
SIDE VIEW



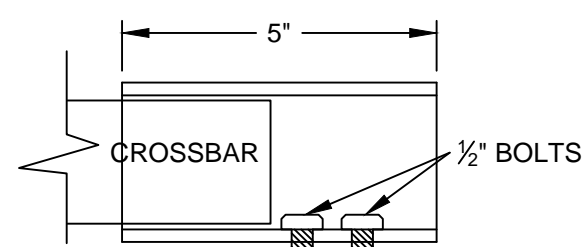
OPTIONAL BIN GATE
NOT TO SCALE
FRONT VIEW



FRONT VIEW
REMOVABLE BRACKET



SIDE VIEW
REMOVABLE BRACKET



TOP VIEW
REMOVABLE CROSSBAR AND BRACKET

OPTIONAL BIN GATE CROSSBAR BRACKET
NOT TO SCALE

Truss Design Notes

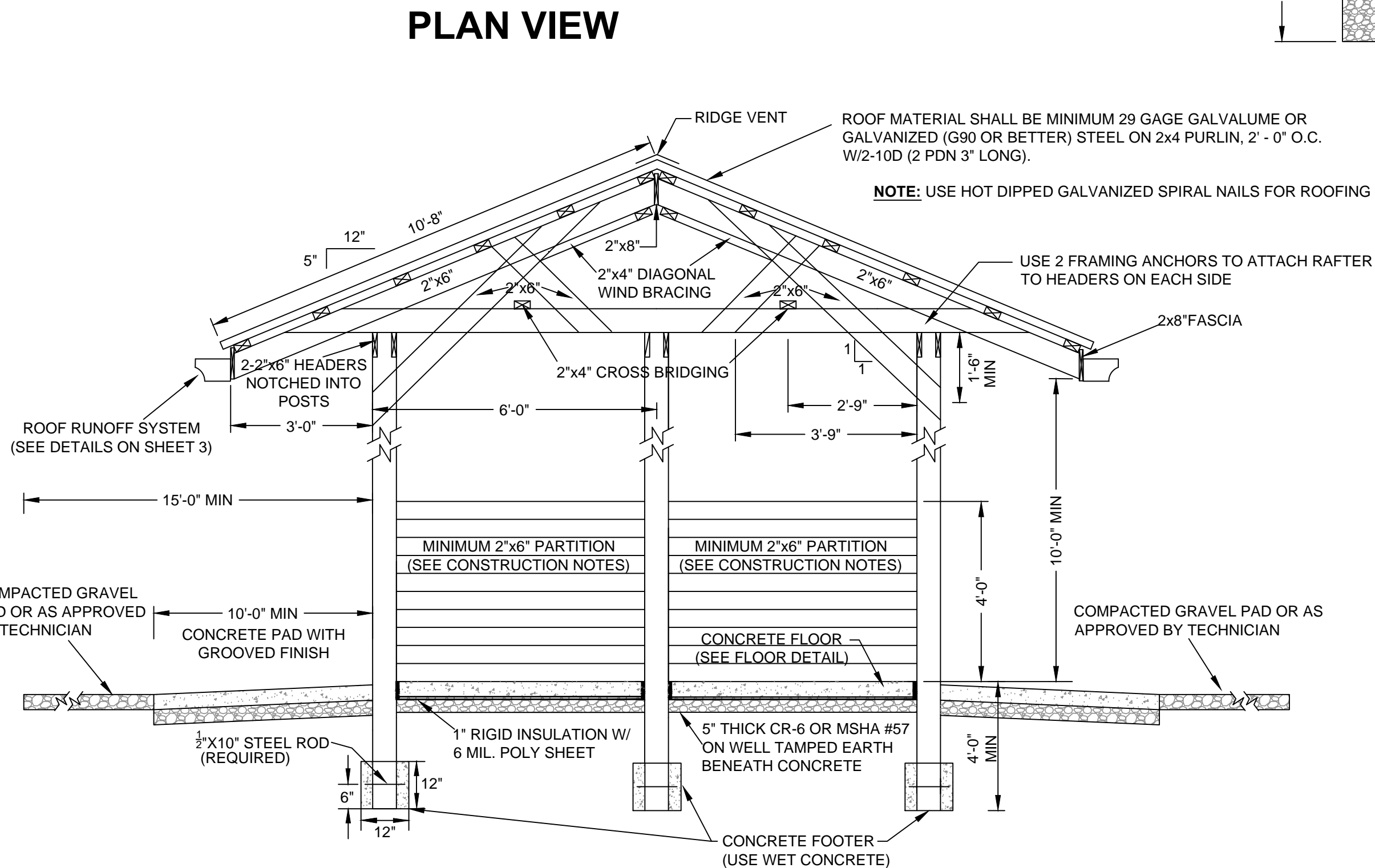
Trusses shown on the drawings are for illustration purposes only. Trusses shall be designed and approved by a licensed engineer. Truss manufacturer shall furnish all drawings for bracing required on trusses. Scissors trusses are acceptable with a level bearing plate.

Truss Design:

Span: 12'-0"
Slope: 5 in 12
Truss Spacing: 4' 0" on center
Overhang: 3'-0"
Gable end trusses shall be sheathed
Truss Loadings (Minimum loadings are shown below, County may require higher loads)
Top chord Live Load, see listing below, Dead Load 5 psf
Bottom chord Live Load 0 psf, Dead Load 5 psf

Garrett, Allegany, and Washington counties:
Top chord Live Load 28 psf
Frederick east to Harford counties including southern Maryland counties:
Top chord Live Load 21 psf
Cecil county and Eastern Shore counties:
Top chord Live Load 16 psf

Number of Bins Required Based on # of Birds		
# of Bins	# of Breeders/Roasters Up to	# of Broilers Up to
2	38,400	48,000
4	76,800	96,000
6	115,200	144,000
8	153,600	192,000
10	192,000	240,000
12	230,400	288,000
Note: Sizing Chart is based on Chapter 10 Ag. Waste Handbook, VF = 1.75		

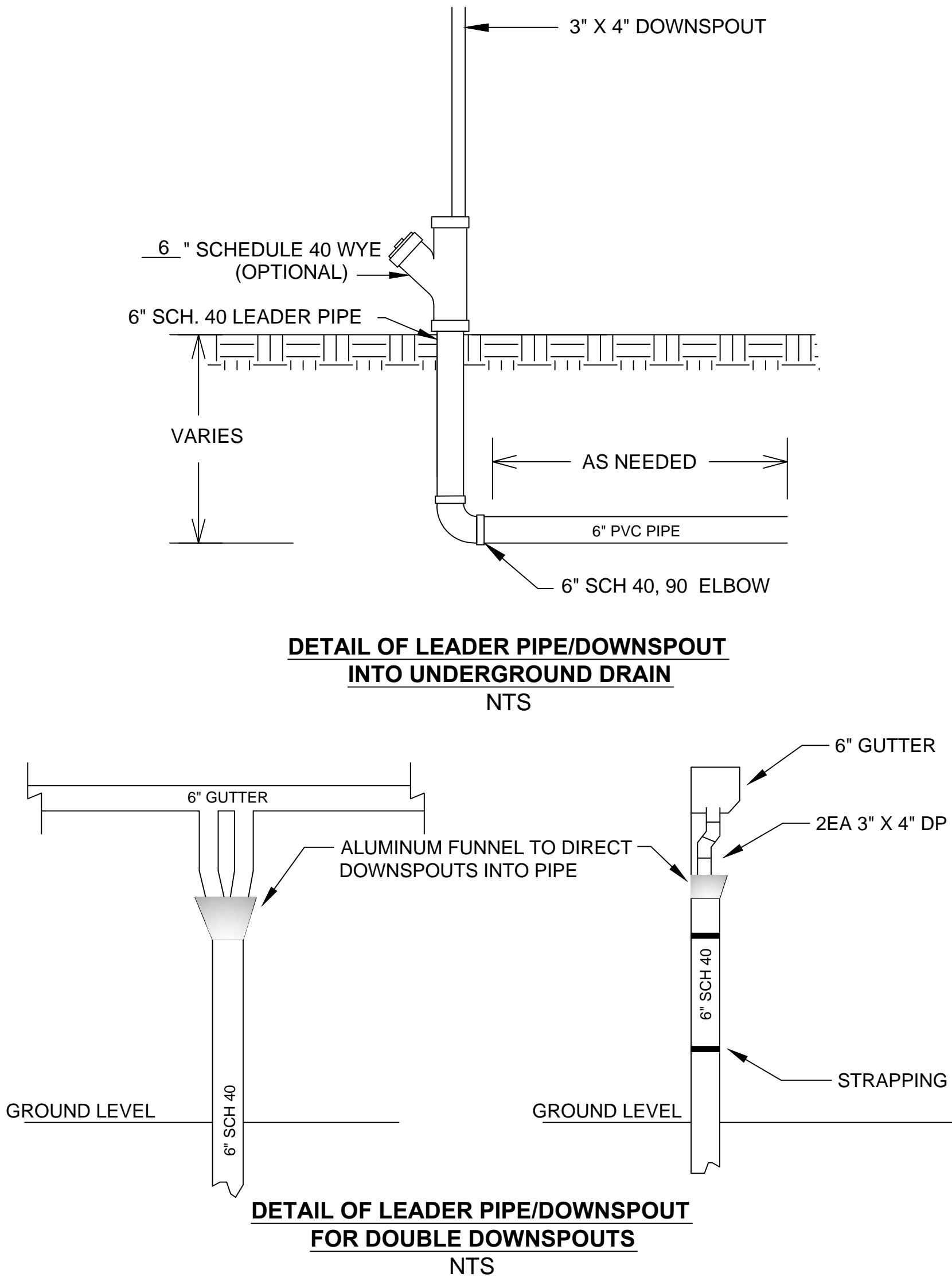


Y-Y SECTION
NOT TO SCALE

MM/YY	Designed	Drawn	Checked	Approved	Date	Job	Class
LANDOWNER				316 ANIMAL MORTALITY FACILITY (STAND ALONE BIN COMPOSTER) Tract			
City, Maryland				Maryland Department of Agriculture			
District Soil Conservation District				Conservation Service			
United States Department of Agriculture				Natural Resources Conservation Service			
REVISIONS		Approved					
Description							
Date				File No. *.DWG			
Sheet 2		of 5					

GUTTERS: ALL GUTTERS ARE 6"	
ROOF 1	1"3/4 IN 49'
ROOF 2	1"1/4 IN 49'
ROOF 3	2" IN 51'
ROOF 4	2" IN 28'
ROOF 5	1" IN 40'
ROOF 6	1" IN 40'
ROOF 7	1 1/2" IN 61'
ROOF 8	1 1/4" IN 61'


GUTTER/DP SPECIFICATIONS
PLAN VIEW



ROOF GUTTER CONSTRUCTION SPECIFICATIONS

1. All materials and construction shall be in accordance with applicable NRCS standards and construction specifications.
2. All components of the completed system shall conform to the lines, grades, elevations, dimensions and materials shown on the plans.
3. Any changes in the plans or specifications must be approved by the original plan approver prior to being made. Changes are to be reviewed by the landowner for concurrence.
4. All disturbed areas shall be fertilized, seeded, and mulched or otherwise stabilized as required on the construction plans.
5. Existing fascia boards that are damaged, rotten, otherwise unstable or with a nominal thickness less than 2 inches, shall be replaced.
6. Rafter ends that are damaged or rotted shall be repaired.
7. All lumber used for fascia boards or for rafter end repair shall have a nominal thickness of 2 inches. Cover all fascia boards with aluminum or vinyl flashing or paint before the roof gutter is installed.
8. Down spout outlet connections shall be the manufacturer's preformed (insert) outlets for the given size shown on the design, unless otherwise approved.
9. Aluminum gutters and downspouts shall have a minimum thickness of 0.027 inch.
10. Galvanized steel gutters and downspouts shall have a minimum thickness of 28 gage.
11. Where animals or equipment may come in contact with downspouts, steel pipe, schedule 40 PVC or similar material will be used for the downspout.
12. Roof gutter supports shall have a maximum spacing of 24 inches unless otherwise approved. Roof gutters shall be mounted to the fascia board using hidden hangers, bolts and ferrules, gutter screws and ferrules, or cradles. Other methods must be approved by the engineer. **Spike and ferrules are not approved.**
13. Itemized invoices from suppliers shall be provided to verify gutter and downspout size, length, material, material gage, and hanger type.
14. The Soil Conservation District makes no representation as to the existence or nonexistence of any utilities at the construction site. Shown on these construction drawings are those utilities, which have been identified. It is the responsibility of the landowners or operators and contractors to assure themselves that no hazard exists or damage will occur to utilities. Miss Utility should be contacted at 1 800-257-7777.

REVISIONS	Date	Description	Approved
File No. *.DWG			
Sheet 3 of 5			

 United States Department of Agriculture	LANDOWNER 316 ANIMAL MORTALITY FACILITY (STAND ALONE BIN COMPOSTER) TRACT City, Maryland	Designed	MM/YY	
		Drawn		
		Checked		
Natural Resources Conservation Service		Approved		
		Title	Date	
Maryland Department of Agriculture District Soil Conservation District			Job Class	

UNDERGROUND PIPING: ALL PIPES ARE SCH 40 UNLESS NOTED		
M1	0+00+080	4'-3.2' FALL
L1	0+00+010	4'-0.1' FALL
M1	0+80+120	6'-0.4' FALL
L2	0+00+010	4'-0.2' FALL
M1	1+20+175	6'-1.1' FALL
L3	0+00+050	4'-1' FALL
M1	1+75+265	6'-2.7' FALL
M2	0+00+110	4'-3.3' FALL
L4	0+00+010	4'-0.2' FALL
M2	1+10+175	6'-0.5' FALL

NOTES:

1. MANUFACTURED SAND IS NOT ACCEPTABLE IN DRYWELLS.
2. ALL PERFORATED PIPES MUST BE SCHEDULE 40 PVC OR HIGHER QUALITY, 4 IN DIAMETER MINIMUM.
3. DRYWELLS MUST BE LOCATED:
 - 3.1. - ____ FT MIN. FROM PROPERTY LINE
 - 3.2. - ____ FT MIN. FROM SLAB ON-GRADE BUILDINGS
 - 3.3. - ____ FT MIN. FROM BUILDING FOUNDATION
 - 3.4. - ____ FT MIN. FROM ANOTHER DRY WELL
 - 3.5. - ____ FT MIN. FROM SEPTIC TRENCH OR TANK
 - 3.6. - ____ FT MIN. FROM ALTERNATE WELL LOCATION
 - 3.7. - ____ FT MIN. FROM PRIMARY WELL LOCATION SO AS TO MINIMIZE ANY BASEMENT SEEPAGE

DRY WELL SPECIFICATIONS:

LENGTH: _____

WIDTH: _____

DEPTH: _____

STONE AMOUNT AND TYPE: _____

FILTER CLOTH AMOUNT: _____

LAYOUT OPTION 1


LAYOUT OPTION 2

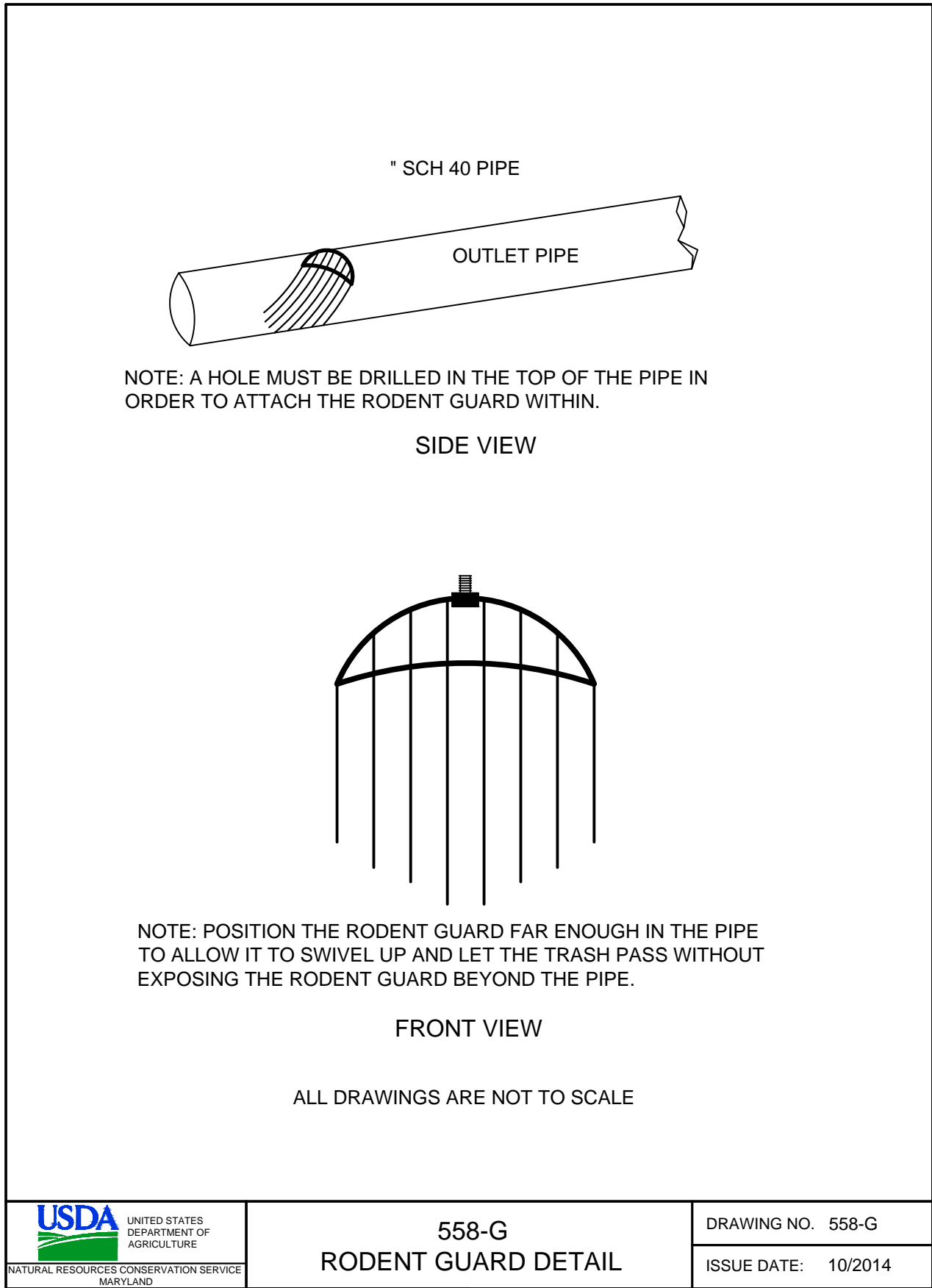
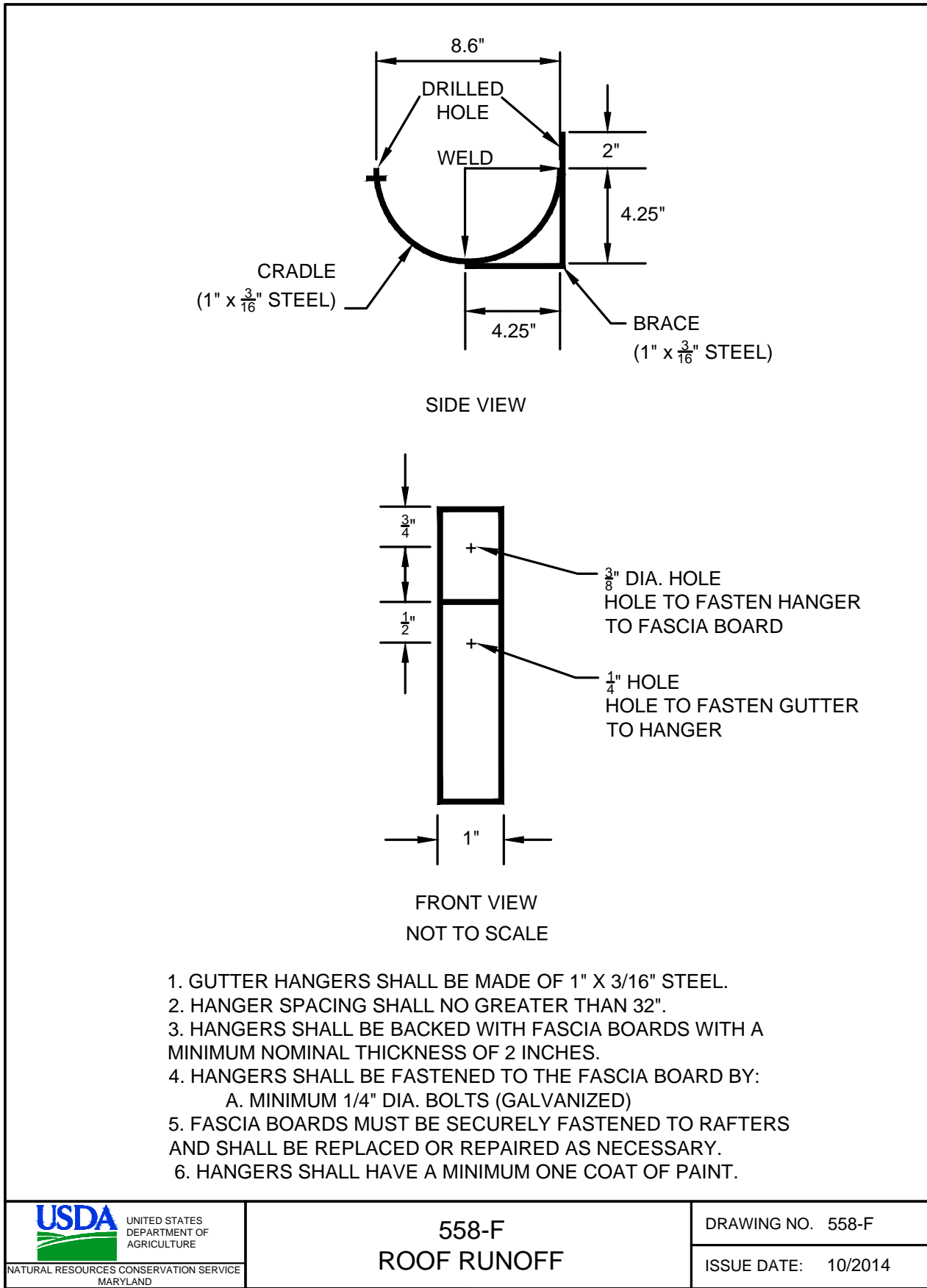
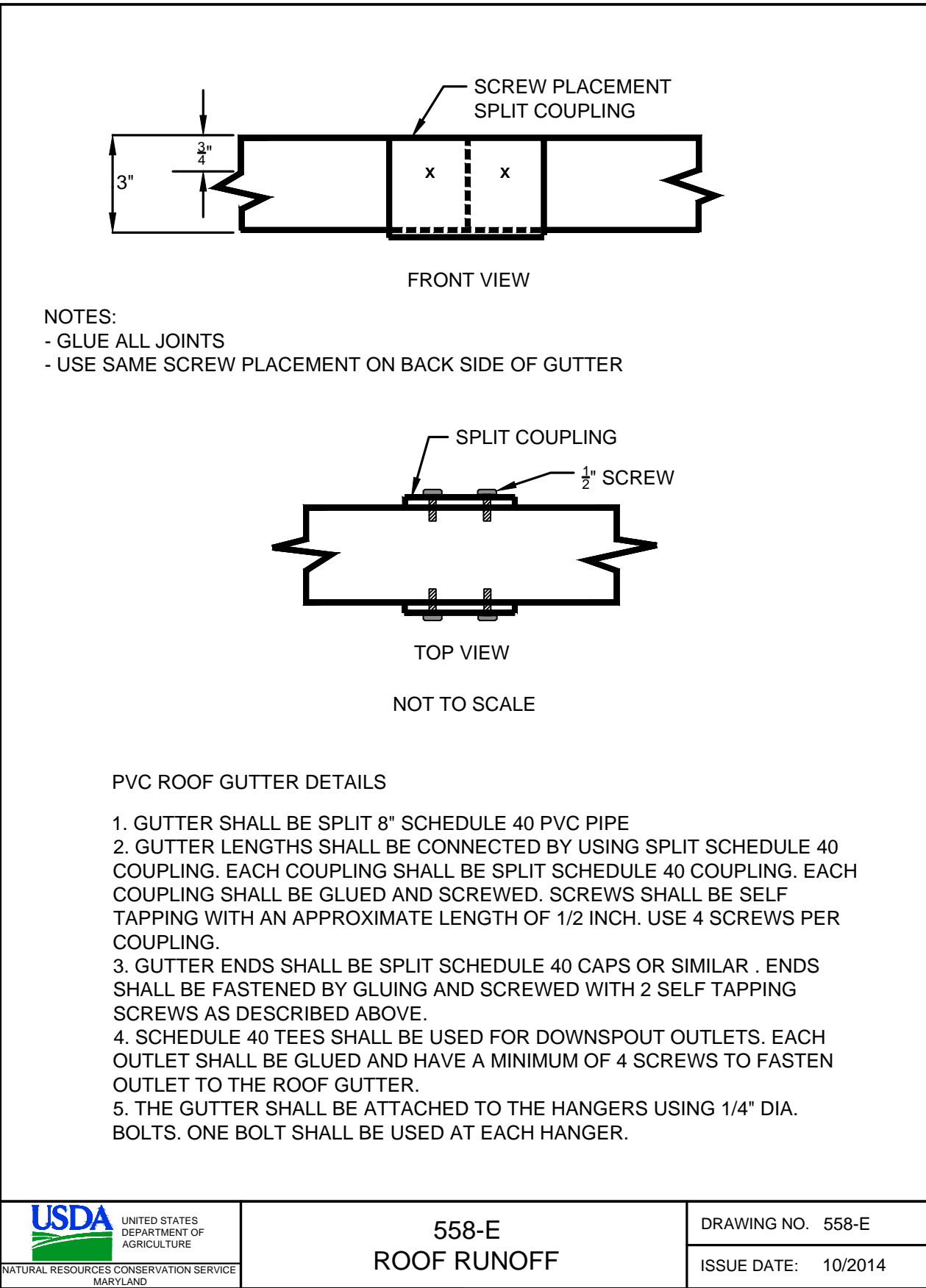
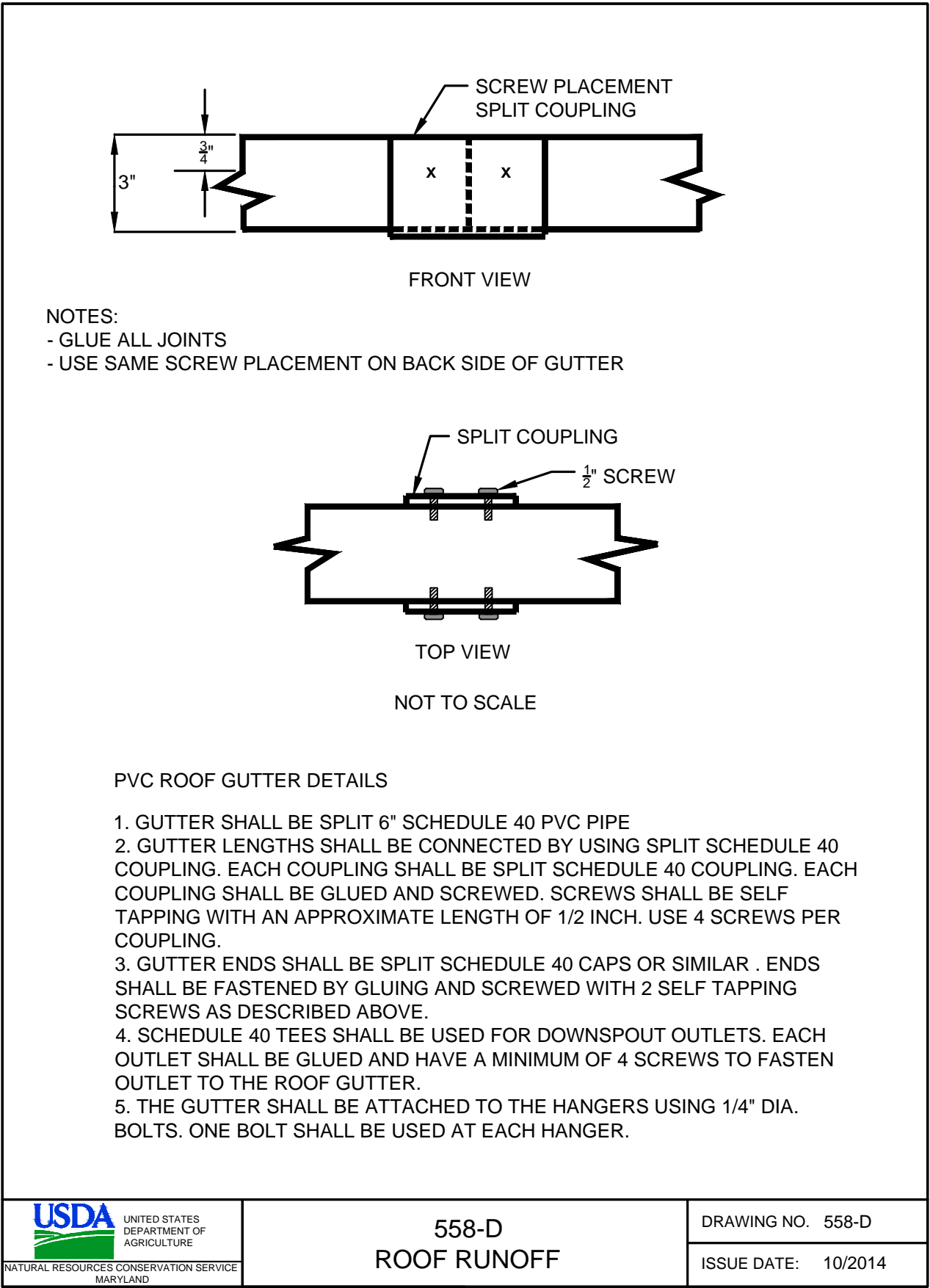
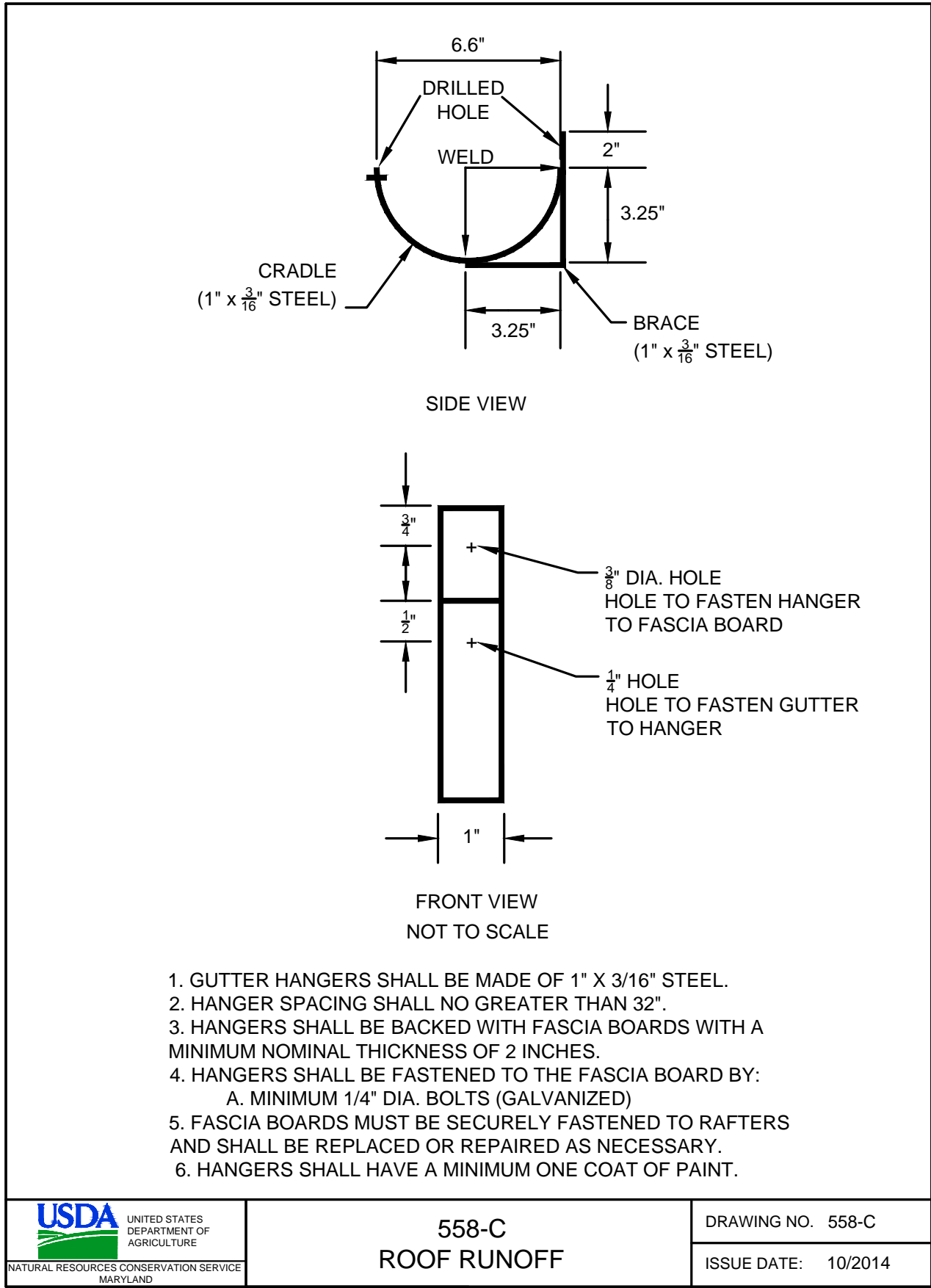
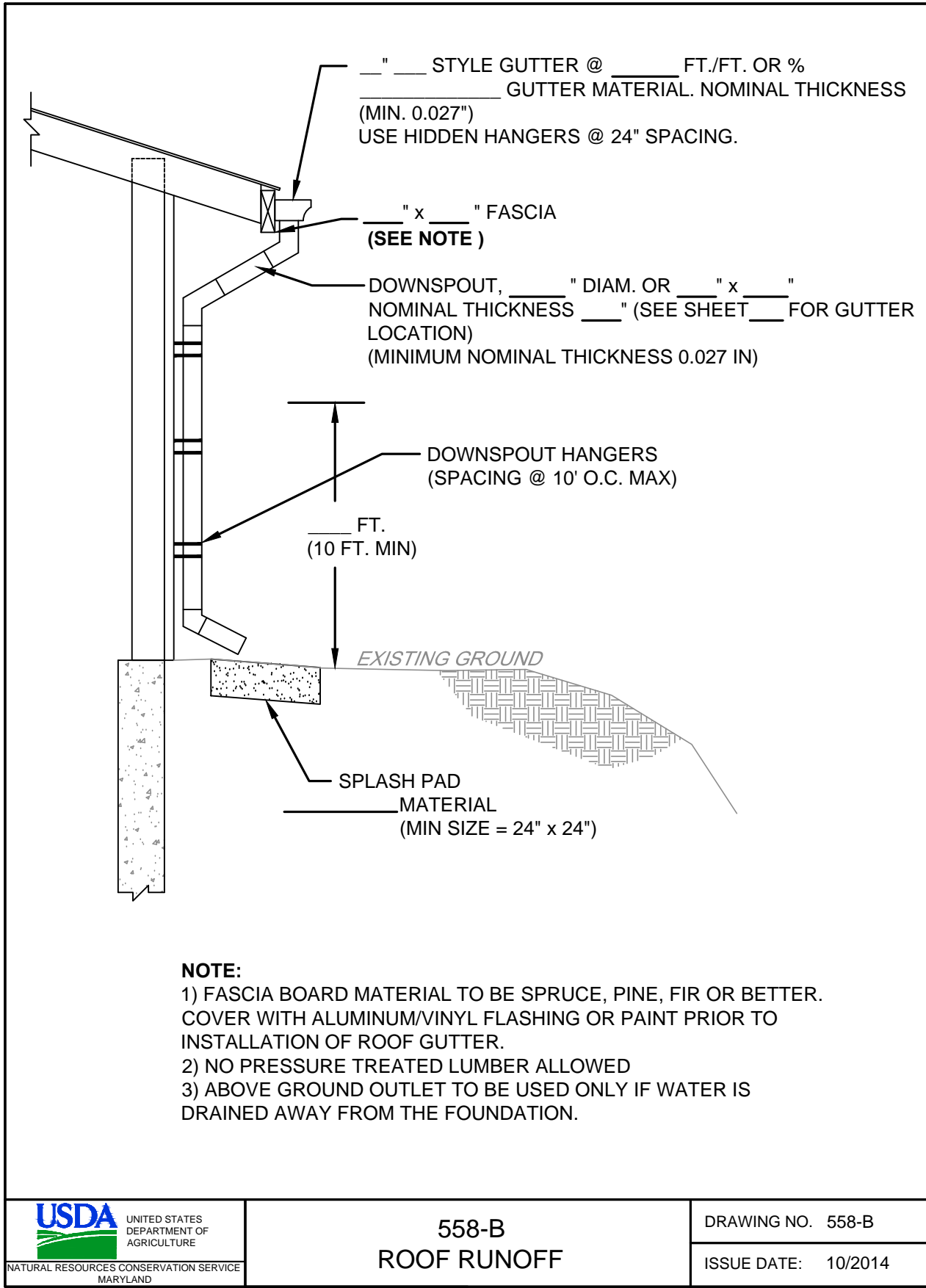
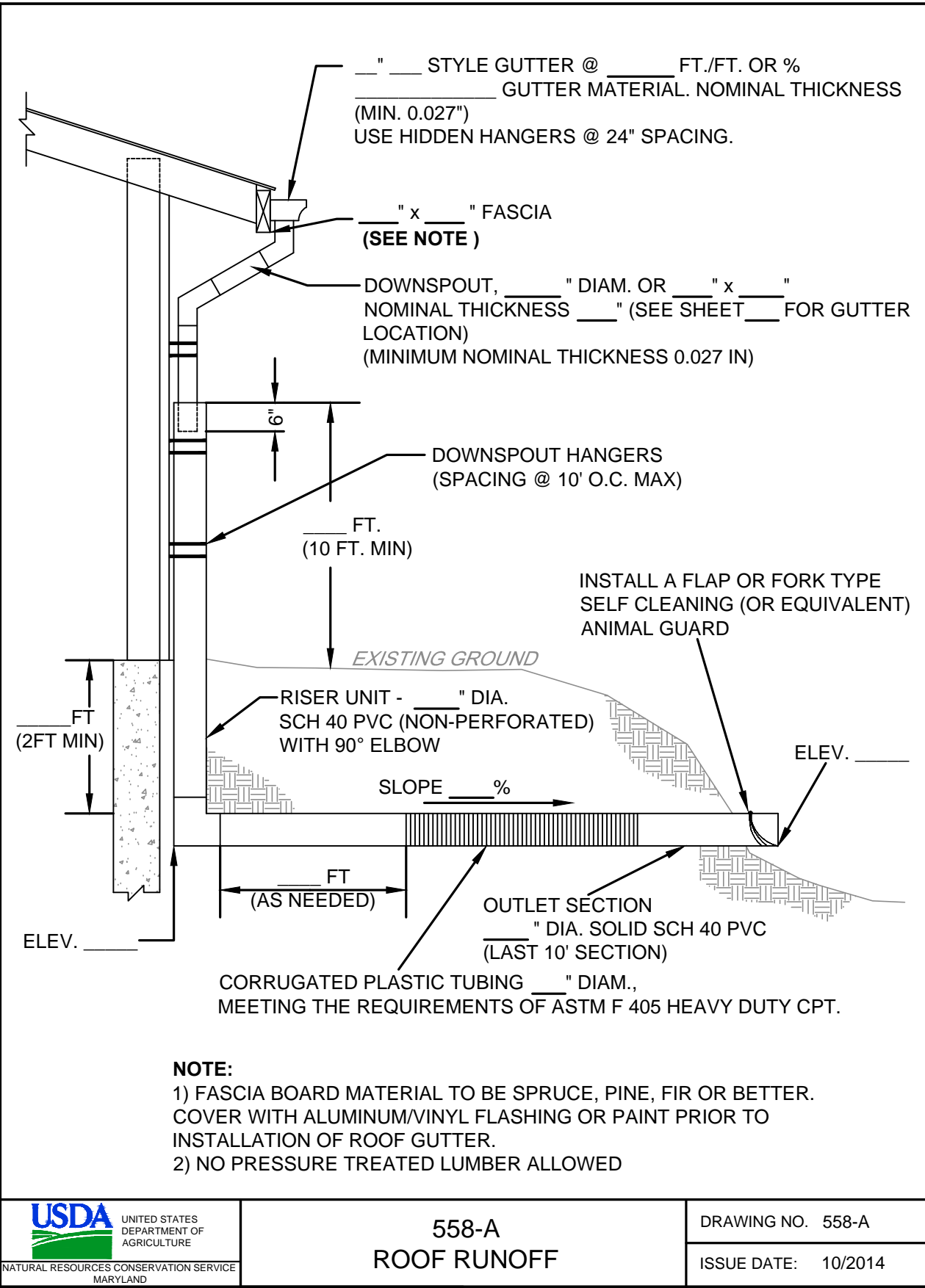
OBSERVATION WELL/ CLEANOUT CAP DETAIL

SECTION VIEW

ALL DRAWINGS NOT TO SCALE
SEE PLAN FOR ALL DIMENSIONS

LANDOWNER TRACT				PRACTICE(S)			
TOTAL AREA	AREA 1		AREA 2		AREA 3		
MATERIALS/RATE	AMOUNT PLANNED	AMOUNT APPLIED	AMOUNT PLANNED	AMOUNT APPLIED	AMOUNT PLANNED	AMOUNT APPLIED	
FERTILIZER 10-20-20 500LBS/AC							
LIME - 2TONS/AC DOLOMITIC							
SEED MIXTURE (SEE BELOW)							
MULCH 2 TONS/AC							
ENTER KINDS AND AMOUNT OF SEED BELOW				NOTE: INOCULATE ALL LEGUMES			
AREA 1 NRCS SEED MIX #		AREA 2 NRCS SEED MIX #		AREA 3 NRCS SEED MIX #			
SITE PREPARATION AND OTHER PERTINENT INFORMATION: DISK ALL DISTURBED AREAS TO A DEPTH OF 4-6" CULTIPACK AFTER SEEDING				SEEDING DATES <i>SPRING:</i> <i>FALL:</i>			
PLAN APPROVED BY:			CHECKED FOR TECHNICAL COMPLIANCE BY:				
DATE			DATE				
 UNITED STATES DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE MARYLAND				SEEDING		DRAWING NO. S-1.0 ISSUE DATE: 7/2014	

		United States Department of Agriculture		<h1 style="margin: 0;">LANDOWNER</h1> <h2 style="margin: 0;">316 ANIMAL MORTALITY FACILITY (STAND ALONE BIN COMPOSTER) TRACT</h2> <p style="margin: 0;">City, Maryland</p>		Designed _____ Drawn _____ Checked _____		MM/YY _____	
<h2 style="margin: 0;">Natural Resources Conservation Service</h2>		Maryland Department of Agriculture District Soil Conservation District				Approved _____ Date _____ Title _____ Job _____ Class _____			
		Approved _____ Date _____ Title _____ Job _____ Class _____							



OPERATION AND MAINTENANCE SCHEDULE FOR ROOF RUNOFF MANAGEMENT

10 year maintenance life

- Removal of any blockage of trash and debris that could affect flows through the gutters, down spouts and outlets.
- Inspect roof gutters, down spouts and outlets after major storms and clean and repair as necessary.
- Inspect all connections at least annually to make sure they have not been seperated, and repair as necessary.
- Inspect gutters, down spouts, and outlets annually for damage from equipment or livestock, and repair if damage affects function of system.
- If outlets drain to a grassed waterway or diversion ,mow, fertilize and lime to maintain flow capacity, grass height, plant density and to promote vigorous growth.
- Inspect at least once a year and after major storms for areas that are eroding and need reseeded. Repair problems immediately. Fill in and reseed, following original seeding specifications.
- Repairs should be made as soon as possible. Repairs should be made to return the facility to the same condition as it was designed.

MM/YY	Designed	Drawn	Checked	Approved	Date	Class
LANDOWNER				316 ANIMAL MORTALITY FACILITY (STAND ALONE BIN COMPOSTER) City, Maryland		
TRACT				Maryland Department of Agriculture District Soil Conservation District		
United States Department of Agriculture				Natural Resources Conservation Service		
REVISIONS		Approved				
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